

TRADE NOTICE NO: QMC/GEN/049/2004
DATED: AUGUST 16, 2004

**REGULATION OF EXPORT
OF FRESH GRAPES TO THE
EUROPEAN UNION
THROUGH CONTROL OF
PESTICIDE RESIDUES**



Agricultural and Processed Food Products
Export Development Authority
3rd Floor, NCUI Building, 3 Siri Institutional Area,
August Kranti Marg, Hauz Khas New Delhi 110 016.
Tel: 26534175, 26513219 Fax: 26519259 E-mail: qmc@apeda.com

REGULATION OF EXPORT OF FRESH GRAPES TO THE EUROPEAN UNION THROUGH CONTROL OF PESTICIDE RESIDUES

Background

Residue levels of pesticides, in food commodities, are becoming a major concern for food regulators all over the world. Since, the residue levels cannot be changed drastically, it is essential that adequate monitoring should be in place to eliminate possibility of presence of the residues in food commodities in excess of prescribed levels. Accordingly, Directorate of Plant Protection, Quarantine and Storage, Department of Agriculture and Co-operation, Ministry of Agriculture, vide Circular No. 91-4/95 PQD dated 29th February, 2000 (copy enclosed at **Annexure-1**), advised all Phyto Sanitary Certificate (PSC) issuing officers to check/verify pesticide residue certificates for grapes exported to the European Union before issuance of PSC to the exporters. In order to ensure implementation of these instructions, a procedure has been developed in this Regulation of export of fresh grapes through control of pesticide residues for export of fresh grapes from India.

1.	Objective	1.1	To establish a system for controlling residues of pesticides in exportable table grapes at the farm level.
		1.2	To monitor pesticide residues in water at grape farms and pack houses.
		1.3	To establish a surveillance system for controlling residues of pesticides allowed/recommended by National Research Centre for Grapes for cultivation of grapes as well as for traces of other pesticides, which might be found due to previous use on the land.
		1.4	To establish a system for corrective action in the event of detection of residue levels higher than those established through this RMP.
		1.5	To establish a system for corrective action in the event of issuance of an Internal Alert Information.

		1.6	To ensure that grapes exported from India to the European Union (Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Germany, Greece, Finland, France, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, The Netherlands, U.K.) do not test for pesticide residues in excess of the prescribed levels.										
2.	Scope	2.1	All farms/plots, which intend to produce grapes for export to the European Union, APEDA recognized pack houses, APEDA recognised laboratories and their pre-requisites will get covered under these procedures.										
		2.2	It is also intended to introduce possibility of product recall in this document.										
3.	Procedure for registration of farms producing grapes for exports	3.1	Every farmer, who intends to export directly or supplies fresh grapes to an exporter, will apply for registration of its farm to District Superintending Agriculture/Horticulture Officer, as per application form for registration of grape farms given in Annexure-2 .										
		3.2	After receiving the application from the farmer, the information will be entered in a record maintained by the District Superintending Agriculture/Horticulture Office. The information will be recorded as per the format of "Registration Record of Grape Farms" given in Annexure-3 .										
		3.3	A registration number will be given to each farm/plot, which will be under the charge of an Agriculture/Horticulture Officer whose head quarter is near the farm. The farm/plot would be allotted a registration number by adopting the following code system :										
			<table border="1"> <thead> <tr> <th>State</th> <th>District</th> <th>Taluka/ Mandal</th> <th>Farm No.</th> <th>Plot No.</th> </tr> </thead> <tbody> <tr> <td>AA</td> <td>00</td> <td>00</td> <td>00</td> <td>00</td> </tr> </tbody> </table>	State	District	Taluka/ Mandal	Farm No.	Plot No.	AA	00	00	00	00
State	District	Taluka/ Mandal	Farm No.	Plot No.									
AA	00	00	00	00									

		3.4	Where there is more than one plot in a farm, each plot will have to be registered separately as per format given in para 3.3 above.
		3.5	Each farmer will maintain pesticide application record as per format titled, "Field Pesticide Application Record" given in Annexure-4 . The farmer and Agriculture/Horticulture officer must sign and write their complete official address. This is mandatory.
		3.6	It shall be the responsibility of Agriculture/Horticulture officers to ensure that information required in Annexure - 3 and Annexure - 4 is uniformly and completely maintained.
		3.7	All the registered grape farmers shall renew their farm registration every year. A farmer should apply for renewal in the month of August to the Registration Authority as per format given in Annexure -2. No application for registration of grape farms/plots will be accepted after 30.09.2004.
		3.8	Farmers who have not settled their dues with exporters or laboratories or have otherwise proved unethical during 2004 will not be registered.
		3.9	Registration Certificate shall be issued to the applicant duly signed by an authorised State Government official indicating details of the farm/plot, name of farmer, village, taluka, mandal, district, survey No/gat No., variety wise area, age of the farm and package of practices to be followed by the farmer for production of grapes. The registration certificate would be accompanied by the following instructions: (a) To follow only recommended package of practices.

			<p>(b) That farmer shall not use pesticides other than those allowed for use on grapes and listed in Annexure- 7 of this document.</p> <p>(c) Misbranded/banned pesticides or any harmful chemicals, which are not recommended for use shall not be used.</p> <p>(d) After drawl of samples for residue testing, spraying/application of any pesticides shall not be carried out.</p>
		3.10	All farmers shall maintain a record of package of practices followed by them in a prescribed register to be provided by the respective State Horticulture/ Agriculture Departments. This may include information on the cultural practices, application of fertilizer doses and date of application of insecticides, fungicides, weedicides & plant growth regulators and other chemicals.
		3.11	Each farmer, at the time of harvest, shall give a declaration in Annexure -5 stating that pesticides, insecticides, fungicides, weedicides, etc. have not been sprayed/applied after drawl of the samples for laboratory analysis. This declaration will be handed over to the exporter signing the sample slip in Annexure -10.
4.	Procedure for District Superintendent Agriculture/ Horticulture Officers for establishing corrective actions	4.1	Each Agriculture/ Horticulture Officer will visit the farm at least four times to inspect the farm prior to harvesting of the grapes. The first inspection should be carried out at the time of farm/plot registration/ October and the remaining inspections at 30-45 days intervals, respectively. Each Agriculture/ Horticulture Officer will prepare the report as per format of inspection report of grape production farm given in Annexure -6 (A) to (D) and give a copy to farmer after obtaining his signatures on it. A copy of Annexure-6(D) duly

		<p>completed and signed by all concerned will also be given to representative of the laboratory at the time of sampling.</p>
	4.2	<p>The farmer and the Agriculture/ Horticulture Officer must sign and write their complete official address on each Form (Annexure 6-A to 6-D). This is mandatory.</p>
	4.3	<p>The Agriculture/Horticulture Officer shall not recommend drawl of samples by the laboratories in Column 17 of Form 6(D) if the farmer, for whatever reason, has not followed the officer's advice/recommendation given in Forms 6(B) and 6(C) or is, otherwise, satisfied that there is likelihood of the presence of excess pesticide residues.</p>
	4.4	<p>Each concerned Agriculture/ Horticulture Officer will examine the certificate of residue analysis and suggest control/corrective measures in terms of do's and don'ts for grape cultivation along with information on defects commonly found in grapes and their remedies.</p>
	4.5	<p>The Agriculture/Horticulture Officers will also have the responsibility to examine the consolidated test reports submitted by the NRL to the State Government and also the yellow copies sent by the laboratories to them. They will also suggest corrective action to the farmers (please see para 8.7).</p>
	4.6	<p>Agriculture/Horticulture Officers will organize meetings with farmers and exporters regularly to provide guidance.</p>
	4.7	<p>Agriculture/Horticulture Officers shall carry out awareness programmes to allow use of only registered/ recommended pesticides for grapes as given in Annexure-7.</p>

		4.8	The Agriculture/Horticulture Officers will also provide information on active ingredients of new pesticide products available in the market.
		4.9	Agriculture/Horticulture Officers will ensure that only those chemicals/pesticides are allowed to be used by the farmers, which have complete information on labels including generic name, spray schedule, dosage, name of pest/disease affected, waiting period and also have an accompanying leaflet in the local language and in English.
		4.10	In the event of alert information issued by the NRL in respect of a grape farm (please see para 8.12), the State Government will suspend export of grapes from that farm/plot until the residue levels report below MRLs.
5.	Procedure for sampling from grape farms/plots	5.1	Farmers/exporters should provide a schedule to the laboratories well in advance for drawl of samples to enable them to plan their sampling arrangements.
		5.2	Samples of grapes, soil and water for laboratory testing of each grape farm/plot intended for exports shall be drawn for testing by the nominated laboratories and National Referral Laboratory (NRL) listed in Annexure-8 of this regulation.
		5.3	Samples for laboratory testing shall be drawn by a representative of the laboratory authorized for this purpose. The laboratory shall maintain a proper record in this regard.
		5.4	The samples of grapes, soil and water shall be drawn in the presence of farmer and exporter as per the procedure given in Annexure-9 .
		5.5	Each sample will be drawn from the concerned farm/plot, packed in 5 Kg. corrugated cartons, sealed and signed,

and handed over/transferred to the residue testing laboratory **within 24 hours** along with the sample slip as per format given in **Annexure-10**. The sample slip should be signed by the farmer and exporter and representative of the laboratory who has drawn the sample. At the time of signing the certificate in this annexure, he will also ensure that a copy each of Annexure-4, Annexure-5 and Annexure-6(D) have been obtained by him. It is recommended that the laboratories check all four forms under Annexure 6, i.e., Annexure 6(A) to 6(D) for a better understanding of the use of chemicals on the farm/plot.

5.6 Laboratories **shall not** draw samples from farms/plots unless there is a clear recommendation by the Agriculture/Horticultural Officers on Annexure-6(D) to this effect.

5.7 For movement of the samples from farm/plot to the laboratories, a record showing the chain of custody in the following format will be maintained and this record will also move with the samples and documents.

Person	Name	Date	Sign
Sampler			
Courier-1			
Courier-2			
Laboratory			

5.8 Representatives of the labs. **shall not** draw samples unless the sample slip is completely filled up and accompanies the sample. The samples and the sample slip will go together to the laboratory.

5.9 Each sample shall be numbered by indicating the farm/plot registration number followed by serial number of the sample slip, for instance, ABCD/01.

		5.10	The representative of the laboratory drawing the sample shall mark the sample with the sample slip number so as to co-relate the sample slip with the sample drawn.
6.	Accreditation/ Recognition requirements and the responsibility of Nominated Laboratories	6.1	All the nominated laboratories shall be accredited to the National Accreditation Board for Testing and Calibration Laboratories (NABL) and/or accredited to ISO/IEC-17025.
		6.2	All the nominated laboratories shall have APEDA recognition under its scheme for laboratory recognition.
		6.3	The nominated laboratories shall test for residue levels of the pesticides (listed in Annexure -11) to be monitored for exports as per the method of analysis given in AOAC/Codex.
		6.4	Soil and water testing will be done in from areas identified by the NRL. The test report should reflect the detection limits and results. Copy of report shall be provided by the laboratories to the farmer/exporter and NRL.
		6.5	The recognised laboratories shall nominate its representative for drawing samples of grapes, soil and water as per the procedure given in Annexure - 9.
		6.6	The certificate of residue analysis will be issued as per the format given in Annexure -12 .
		6.7	The laboratory will print four copies of Certificate of Residue Analysis as per the details given below : <ul style="list-style-type: none"> a) First copy - to be printed as, "Farmer's/Exporter's copy", on white colour paper. b) Second copy - to be printed as, "PSC issuing Authority copy", on green colour paper.

		<p>c) Third copy - to be printed as, "<i>Agriculture/Horticulture Officer's copy</i>", on yellow colour paper.</p> <p>d) Fourth copy - to be printed as, "<i>Office copy</i>", of laboratory on pink colour paper.</p>
	6.8	The nominated laboratories may use a unique security paper/systems while reporting test results, in which case the colour scheme is not necessary. However, other requirements of this document shall be complied with.
	6.9	The laboratory will hand over the first two copies of the certificate of residue analysis as given in Clause 6.7 to the applicant, i.e., to the farmer/exporter, while fourth copy will remain in the laboratory as its office record.
	6.10	The nominated laboratories shall send the yellow copy (third copy) of the certificate of residue analysis directly to the concerned Agriculture/Horticulture Officer (address given in Annexure-4) allotted to the farm for analysis and future guidance to the farmers.
	6.11	In case, the samples exceed the MRLs with respect to the destination of the consignment declared by the exporter/farmer, the nominated laboratory will immediately (within 24 hours) bring the matter to the notice of NRL, Horticulture/Agriculture officer (whose address is given in Annexure - 4) and APEDA along with a copy of the test report giving details of the farms/plots and the pesticides exceeding the levels. The laboratories shall, in case of failed samples, also send the chromatograms, etc. to the NRL by speed-post/courier.
	6.12	In case a grape sample fails and an internal alert has been issued by the NRL, and the farmer/exporter chooses to have re-sampling done at a later date

			<p>(see Annexure -10), the laboratory should demand from the farmer/exporter, a copy of the previous test report for a specific attention to the pesticides exceeding the MRL values. In such cases, if the second sample passes the MRL test, the laboratory shall, without delay, intimate the NRL to enable them to withdraw the Internal Alert Information, which shall be effective from that date.</p> <p>6.13 The nominated laboratories will submit, to the NRL as well as to APEDA, a weekly statement of samples tested as per the format given in Annexure-13.</p> <p>6.14 The nominated laboratories are under an obligation to provide access, on demand, to their analysis records (including chromatograms) to authorised officials of APEDA, National Referral Laboratory and the State Government.</p> <p>6.14 The nominated laboratories will participate in the training/inter-lab./proficiency testing programmes organized by the NRL.</p>
7.	Procedure for issue of Phyto Sanitary Certificate (PSC)	7.1	<p>The farmer/exporter will apply to the PSC issuing authority for issue of Phyto-Sanitary Certificate alongwith the following documents in addition to meeting their other requirements :</p> <p>(a) The white and green copy of residue test reports</p> <p>(b) Container loading sheet/packing list</p> <p>(c) Copy of declaration by farmer (given at Annexure -5)</p> <p>(d) Farm inspection report (given at Annexure-6)</p> <p>(e) Exporter's declaration (given at Annexure-14)</p>

			<p>(f) Packhouse Recognition Certificate issued by APEDA, and</p> <p>(g) Self-certified copy of the Certificate of Agmark Grading (CAG) issued by the concerned office of the Directorate of Marketing and Inspection (copy of CAG is not required in case of grapes packed in punnets).</p>
		7.2	Each exporter, at the time of applying for issue of PSC shall give a declaration in Annexure-14 to the concerned PSC issuing authority.
		7.3	<p>The PSC issuing authorities shall issue PSC only after satisfying themselves that:</p> <p>(i) All the above documents have been submitted with application,</p> <p>(ii) The laboratory analysis reports (please see Annexure-12) do not reflect residue findings above the MRLs (as given in Annexure-11) with respect to the destination of the consignment declared by the exporter/farmer,</p> <p>(iii) They have not received an Internal Alert Information from the National Referral Laboratory (please see para 8.12) until the date of issue of the PSC, and</p> <p>(iv) After physical verification of the produce at the APEDA recognised packhouse.</p>
		7.4	The PSC shall not be issued if Annexure -12, i.e., the Certificate of Residue Analysis does not indicate the Farm/Plot Registration No., and unless the farm/plot registration No. and the Packhouse Registration No. are the same on all the relevant documents.

		7.5	The PSC issuing authorities shall, at the packhouse, draw a representative sample from the consignment meant for export, which will be sealed/marked properly and handed over to the exporter/packhouse for storage (please see para 7.10).
		7.6	In case of one grape farm, only one random sample shall be drawn from the consignment meant for export, which will be sealed/marked properly and handed over to the exporter/pack house for storage.
		7.7	PSC issuing authority shall mark the representative sample drawn with the Laboratory Test Report Number(s).
		7.8	The container loading sheet (packing list) should contain details of farmer name, farmer code, quantity per packet, total quantity, etc.
		7.9	Phyto-Sanitary Certificate will not be issued in absence of the test report printed on green paper (see para 6.7) or on a unique security paper (see para 6.8) or in case, the sample is found to contain pesticides exceeding the MRLs prescribed by the importing country.
		7.10	All the exporters/recognised packhouses and laboratories shall retain representative samples (see para 7.5) of the exported grapes in their cold storages for a period of 60 days from the date of test report as per directions given in Annexure - 9.
		7.11	The PSC issuing authorities shall also prepare a weekly report as per the format given in Annexure-15 and submit the same to the respective State Directorate of Horticulture/Agriculture for onward transmission to APEDA.
		7.12	The PSC issuing Authority, while issuing the PSC, will also return the white copy

			of the test report after making an endorsement on the test report stating that the PSC has been issued for ___MTs, out of ___MTs quantity and the balance left is ___MTs.
		7.13	The PSC shall be issued by the PSC issuing authorities of the districts where the farms/packhouses are located. A list of PSC issuing authorities authorised to issue PSC for export of grapes is given in Annexure-16 .
8.	Responsibilities of the National Referral Laboratory (NRL)	8.1	The NRL will monitor the work of nominated laboratories by conducting surveillance audit to ascertain that they are following the criteria laid down under this monitoring system.
		8.2	The NRL will compile residue analysis data of the nominated laboratories for each year. On the basis of the data, the NRL will also prepare a plan of action for the following year.
		8.3	The NRL shall draw 5% of the samples directly from the recognised packhouses pertaining to the batches tested by the designated laboratories as a measure of conformity. The NRL shall analyse these samples, report as per the format given in Annexure-13 and integrate these report in the consolidated report.
		8.4	The NRL shall also evaluate 5% test data of the samples analysed by the nominated laboratories pertaining to the batches tested by the nominated laboratories as a measure of conformity.
		8.5	In cases, where residue levels are found to be higher than the permitted levels, depending upon the destination of the consignment declared by the exporter/farmer, the NRL will advise the exporters/farmers about the control measures to be taken.

		8.6	The NRL shall evaluate the soil and water test reports expeditiously and send suitable advisory communications to the concerned farmer/exporter and the Agriculture/Horticultural Officer.
		8.7	The NRL shall submit fortnightly statement of consolidated test reports to APEDA & State Governments as per the format given in Annexure-17 .
		8.8	The NRL shall organize training on testing of each residue or groups of residues for the nominated laboratories as well as the farmers.
		8.9	NRL shall organize the inter-laboratory/ proficiency testing 3-4 times during the grape season and guide the laboratories.
		8.10	The NRL shall organize interactive meetings between various stakeholders on a regular basis. Participants in these meetings shall invariably include farmers, exporters, agriculture/ horticulture officers, PSC issuing authorities, Agmark officials, pesticide registration authorities and APEDA.
		8.11	The NRL shall update itself, APEDA, State Governments and the nominated laboratories with regard to the list of pesticides and their MRLs. NRL will also prescribe the method of sampling/ testing/analysis and validation.
		8.12	Upon receipt of an alert notice from a nominated laboratory about a failed sample, the NRL shall, without delay, and in any case within 24 hours unless the NRL considers it necessary to carry out any investigation, issue an Internal Alert Information to the State Government, Exporters, PSC issuing authorities, Laboratories and APEDA under intimation to the farmer in respect of the farms in case of detection of higher residues or major elements than the limits prescribed in this

			document as amended from time to time. A format of Internal Alert Information is given in Annexure - 18 .
		8.13	In case a grape farm/plot, on re-testing of a sample, passes the MRL test (see para 6.12), the NRL shall, without delay, revoke the Internal Alert Information, which shall take effect on that date. In this regard, the NRL shall intimate all concerned about the new status.
9.	Powers of National Referral Laboratory	9.1	The NRL shall have the right to draw samples from registered grape farms, packhouses and laboratories.
		9.2	The NRL shall have the right to verify analysis data corresponding to the samples drawn and/or tested by the designated laboratories.
		9.3	The NRL shall have the authority to recommend to APEDA and/or NABL, derecognition of nominated laboratories in the event of non-compliance with the procedure for drawl of samples, testing of grapes, etc.
10.	Overall Monitoring	10.1	Export of grapes will take place only from the registered farms/plots.
		10.2	Export of grapes will take place only if these are processed and packed in packhouses recognised by APEDA.
		10.3	APEDA may inform the Governments of importing countries and the European Commission the names, addresses of recognized packhouses as well as the designated laboratories and will also display the list on its website, www.apeda.com
		10.4	APEDA will regularly monitor the functioning of each nominated laboratory to ensure implementation of the procedures laid down in these guidelines based on its testing capacity for pesticide residue analysis.

		10.5	APEDA will evaluate the weekly test results submitted by the nominated laboratories and will require that the control measures suggested by the NRL be implemented by the State Government or laboratory as applicable.
		10.6	Where necessary, APEDA will nominate a Committee consisting of the representatives of exporters/association, designated laboratories under the leadership of National Referral Laboratory.
		10.7	APEDA will assess the work carried out by the NRL with respect to the responsibilities laid down in this document as amended.
11.	Penal Provisions	11.1	<p>In the event of breach of this regulation for controlling pesticides residues in fresh grapes, APEDA may initiate action as per the provisions of section 19(3), Chapter-V of the APEDA Act, 1985 (Extract from APEDA Act is given in Annexure -19), in addition to the following:</p> <ul style="list-style-type: none"> a) Cancellation of Registration-cum-Membership Certificate of exporters. b) Derecognition of packhouses. c) Notifying to DGFT for cancellation of Import-Export Code No. allocated to such exporters. d) Any other action as deemed fit.

Date : August 16, 2004
Place : New Delhi

(K S MONEY)
CHAIRMAN, APEDA

CIRCULAR NO. 91-4/95 PQD DATED 29TH FEBRUARY, 2000

संख्या : प्रोटेक्शन
Telephone : PROTECTION

टेलीफोन :
Telephone :

पत्र संख्या
No. 91-4/95 PQD

भारत सरकार
GOVERNMENT OF INDIA

कृषि मंत्रालय
MINISTRY OF AGRICULTURE

(कृषि एवम् सहकारिता विभाग)
(DEPARTMENT OF AGRICULTURE AND CO-OPERATION)

वनस्पति रक्षा, संशोधन और संग्रह निदेशालय
DIRECTORATE OF PLANT PROTECTION, QUARANTINE & STORAGE

एन. एच.-4, फरीदाबाद (हरियाणा)
N. H.-IV, FARIDABAD (HARYANA)

दिनांक 19 .
Dated 29th Feb 2000

To
All PSC issuing Officers
(As per List attached)

Sub: Issuance of Phytosanitary Certificate(s) after pesticides residue tests for exportable grapes. Regarding.

.....
The problem of pesticide residues/arising out of non observation of Good Agricultural Practices (GAP) at farm/orchard level and subsequent rejection of export consignment of plants and Plant products have been major concern to the Government. Several meetings/Conferences/Workshops has been organised to discuss the problem and came out with remedial measures by Deptt. of Agriculture, ICAR/CSIR etc. However, at present Export promotion Council & APEDA have been notified under Export (Inspection & quality Control) Act, 1963 to oversee, Coordinate and issue necessary certificate that the Commodities satisfied the conditions relating to Control and inspection. This also includes the conformation to all required parameters including permissible limits of maximum residue limits of pesticides in the products/ Commodities.

2. Perhaps keeping all this in view APEDA has recognised eight laboratories (Annexure) for issuenance of pesticides residue certificates for exportable graps. It is therefore, requested to check /verify the Pesticides Residue Certificate for exportable graps before issuenance of Phytosanitary Certificates to the Exporter(s) by notified lab.

Yours faithfully,

Encl:As above.

(M.A. ANSARI)
Deputy Director (Ents.)
for Plant Protection Adviser
to the Government of India

copy forwarded to Scheme Officers PP-I Section, Deptt. of Agri. & Cooperation, K.B. New Delhi for information.

2. General Manager, APEDA, Bhikaji Cama Place, N. Delhi-56 in reference to his letter of even number dated. 18.02.2000.

(M.A. ANSARI)

Annexure-2

**FORM OF REGISTRATION OF GRAPE FARM/PLOT
(TO BE SUBMITTED BY THE FARMER)**

To:

Agriculture/Horticulture Officer
Taluka/Mandal.....
District.....
State.....

Sub: Registration of Grape Farm for Exports

Dear Sir,

You are requested to kindly register my name as grape s farmer.
Other necessary details are as follows :

- 1) Name of the farmer with address
- 2) Farm/Plot location
- 3) Taluka/Mandal
- 4) District
- 5) State
- 6) Telephone No.
- 7) E-mail address
- 8) Total farm/plot area (in Ha)
- 9) Crop variety & total area cultivated plot-wise
- 10) Total likely production (in MT)
- 11) Date of plantation (month & year) plot-wise
- 12) Pesticide usage program of the last season
- 13) Probable date of harvesting
- 14) Pack-house Registration No., if any, and its validity
- 15) Application fee of Rs.100/- per farmer vide Cash/DD No.
_____ dated _____ enclosed.

Signature of the Farmer

Date :

Place:

Annexure-4

FIELD PESTICIDE APPLICATION RECORD

(TO BE MAINTAINED BY THE FARMER/EXPORTER)

[copy to be given to authorized representative of the laboratory at the time sampling]

- 1) Farm/Plot Registration Number :
- 2) Name of the farmer/operator with address :
- 3) Farm location (lay out/benchmark) :
- 4) Total area of the registered farm/plot (Ha) :
- 5) Date of pruning :
- 6) Pesticide application machinery used :
- 7) Pack-house Registration No., if any, and its validity :

Sr No	Date	Days after pruning	Trade name	Active ingredient	Batch No. & Date	Target pest	Preventive/curative	Pesticide gm/ml per litre	Pesticide qty. per acre	Water /acre	Harvest Interval	Method of application	Time of Spray	Sign
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.

Date:
Place:

Signature of the Farmer/Operator
Address
(mandatory)

Checked by Agriculture/Horticulture Officer
Name and Signature:
Official address of Agriculture/Horticulture Officer
(mandatory)

DECLARATION

(TO BE GIVEN BY THE FARMER TO THE EXPORTER)

[copy to be given to authorized representative of the laboratory at the time sampling]

- 1) I, _____, resident of _____ and having grape farm with Farm/Plot Registration No. _____, hereby, certify that on _____, I have submitted the grape samples to _____ (laboratory) for testing. After drawl of samples as per procedure prescribed in Annexure -9 of the regulation of export of fresh grapes through control of pesticide residues, I have not sprayed any kind of pesticides, insecticides, fungicides, weedicides including herbal products (excluding growth regulators) on the grape farm/plot.

- 2) Harvesting of _____MTs/Kgs. Of grapes from my farm has been carried out under my supervision on _____ and the grapes have been stored in _____ numbers of crates/boxes/etc.

- 3) I propose to effect export of the harvested grapes myself/through M/s _____ (exporter). The address of cold storage/packhouse will be as follows:

----- (APEDA Registration No. of pack house and its validity)

- 4) The balance quantity of approximately _____ MTs/Kgs. Of grapes remaining in my farm/plot shall be informed to the District Agriculture/Horticulture Office.

Date:
Place:

Signature of farmer
and Farm/Plot Registration Number

Inspection report of Grape Farm/Plot
To be maintained by the Agriculture/Horticulture Officer and Farmer
First Inspection Report
(At the time of registration/renewal of registration)

1.	Name and address of the Farmer/Grower	Name At.Post Taluka/Mandal District State Phone No.
2.	Farm/Plot Registration No. (in case of renewal)	
3.	Address of the Farm/Plot	At. Post Taluka/Mandal District State
4.	Total area of the Farm/Plot Map of the Farm/Plot (Indicate the all sides of farm crops are grown)	Survey No..... Area.....ha.
5.	Whether Farm/Plot is certified for Good Agriculture Practices (GAP). If so, attach copy of valid certificate	Certificate No..... Date
6.	Last year's export details a) Quantity (MT) b) Name of Exporter c) Name of packhouse d) Name of laboratory where sample was analysed	
7.	Whether Internal Alert Notice issued by NRL, Pune in the 2004 grape season	Yes/No (If yes give details of the alert notice)
8.	Date of Pruning	
9.	Condition of the crop relating to pests and diseases and stage of crop	
10.	Recommendations of inspecting authority (whether grape farm/plot is fit for registration/renewal of registration)	Yes/No (if no, give specific reason)
11.	Date of Inspection	

Signature of Farmer/Grower

Signature of Inspecting
Officer Name and Full
Address of the Inspecting Officer
with seal

CC : Farm/Plot Registration Authority

Annexure - 6(B)

**Inspection report of Grape Farm/Plot
To be maintained by the Agriculture/Horticulture Officer and Farmer
Second Inspection Report
(October/30-45 days after first inspection)**

1.	Farm/Plot Registration No.	
2.	Survey No.	
3.	GAP Certificate No., if any	
4.	Name and address of the Farmer/ Grower	Name At. Post Taluka/Mandal District State Phone No
5.	Address of the Farm/Plot	At. Post. Taluka/Mandal District State
6.	First Inspection Report No. & Date	
7.	Condition of the crop relating to pests and diseases and stage of crop a) Stage of Crop b) Powdery mildew c) Downy mildew d) Anthracnose e) Mealy bugs f) Thrips g) Other pests and diseases	 Yes/No Yes/No Yes/No Yes/No Yes/No Yes/No (if yes, give the names of pests and diseases)
8.	Whether pesticide spraying schedule is as per NRC recommendation	Yes/No (if no, please substantiate)
9.	Explain implementation of first inspection recommendations (S.No.10 of Form 6A) by the farmer	
10.	Advice/Recommendation given to the farmer regarding pest and disease incidence and quality of grapes	
11.	Date of inspection	

Signature of Farmer/Grower

Signature of Inspecting
Officer Name and Full
Address of the Inspecting Officer
with seal

CC : Farm/Plot Registration Authority

Annexure - 6(C)

**Inspection report of Grape Farm/Plot
To be maintained by the Agriculture/Horticulture Officer and Farmer
Third Inspection Report
(30-45 days after second inspection)**

1.	Farm/Plot Registration No.	
2.	Survey No.	
3.	GAP Certificate No., if any	
4.	Name and address of the Farmer/ Grower	Name At. Post Taluka/Mandal District State Phone No.
5.	Address of the Farm/Plot	At. Post. Taluka/Mandal District State
6.	Second Inspection Report No. & Date	
7.	Condition of the crop relating to pests and diseases, stage and quality of the crop a) Stage of Crop b) Powdery mildew c) Downy mildew d) Anthracnose e) Mealy bugs f) Thrips g) Other pests and diseases h) Any other observations concerning quality	Yes/No Yes/No Yes/No Yes/No Yes/No Yes/No Yes/No (if yes, give the names of pests and diseases)
8.	Whether pesticide spraying schedule is as per NRC recommendation	Yes/No (if no, please substantiate)
9.	Explain implementation of second inspection recommendations (S.No.10 of Form 6B) by the farmer	
10.	Likely total production of the farm/plot per hectare (MT)	
11.	Tentative date of harvesting	
12.	Name of laboratory where samples likely to be analysed	
13.	Name of exporter through whom grapes likely to be exported	
14.	Name and address of packhouse where the grapes will be packed (please give Packhouse Recognition No. and its validity)	
15.	Advice/Recommendation given to the farmer regarding pest and disease incidence and quality of grapes	
16.	Date of inspection	

Signature of Farmer/Grower

CC : Farm/Plot Registration Authority

Signature of Inspecting
Officer Name and Full
Address of the Inspecting Officer
with seal

Annexure - 6(D)

**Inspection report of Exportable Grape Farm/Plot
To be maintained by the Agriculture/Horticulture Officer and Farmer
Fourth Inspection Report
(At the time of sampling)
*(copy must be given to representative of laboratory at the time of sampling)***

1.	Farm/Plot Registration No.	
2.	Survey No.	
3.	GAP Certificate No., if any	
4.	Name and address of the Farmer/ Grower	Name At. Post Taluka/Mandal District State Phone No.
5.	Address of the Farm/Plot	At. Post. Taluka/Mandal District State
6.	Total area of the farm/plot (Ha)	
7.	Third Inspection Report No. & Date	
8.	Condition of the crop relating to pests and diseases and quality of the crop	
	a) Powdery mildew	Yes/No
	b) Downy mildew	Yes/No
	c) Anthracnose	Yes/No
	d) Mealy bugs	Yes/No
	e) Thrips	Yes/No
	f) Other pests or diseases	Yes/No (if yes, give the names of pests and disease s)
	g) Any other observation concerning quality (browning, etc.)	
9.	Explain implementation of third inspection recommendations (S. No. 15 of Form 6C) by the farmer	
10.	Likely total harvest of the farm/plot (MT)	
11.	Tentative date of harvesting	
12.	Name of laboratory where samples being analysed	
13.	Name and address of exporter through whom grapes being exported	

14.	Name and address of packhouse where the grapes will be packed (please give Packhouse Recognition No. and its validity)	
15.	Whether pesticide spraying schedule has been as per NRC recommendation	Yes/No (if no, please substantiate)
16.	Whether farmer has followed other advice/recommendations of Agriculture/Horticulture Officer during the year.	Yes/No (if no, please substantiate)
17.	Whether sampling should be done by laboratory (please see para 4.3 of regulation)	Recommended/Not Recommended
18.	Advice/Recommendation given to the farmer concerning incidence of pests & diseases and quality of grapes at this stage.	
19.	Date of inspection	

Signature of Farmer/Grower

Signature of Inspecting
Officer Name and Full
Address of the Inspecting Officer
with seal

CC : 1. Farm/Plot Registration Authority

2. Representative of the laboratory

PESTICIDES RECOMMENDED FOR THE CONTROL OF VARIOUS DISEASES AND INSECT PESTS BASED ON THE STUDIES AT NRC GRAPES AND AICRP ON GRAPES OF ICAR



**NATIONAL RESEARCH CENTRE FOR GRAPES
(Indian Council of Agricultural Research)**

P.B. No. 3, Manjri Farm P.O., Solapur Road, PUNE - 412 307, India.

Tel. : 020-26914245, 25169101 Fax : 020-26914246

e-mail : nrcgrape@mah.nic.in, website : <http://nrcgrapes.mah.nic.in>

Sl. No.	Pesticide recommended for major disease and pest	Nature of pesticide	Dose on formulation basis	MRLs (mg/kg)			Pre-harvest Interval in Days (PHI)
				EU	UK	Netherlands	
I Downy Mildew							
1.	Mancozeb 75 WP, 35 %SC	NS	1.5-2.0 g/L	2.00	2.00	2.00	66
2.	Ziram 80 WP	NS	1.5-2 ml/L	2.00	#	2.00	66
3.	Propineb 70 WP	NS	3 g/L	2.00	2.00	2.00	40
4.	COC 50 WP, 50WG	NS	2.5 g/L, 2.4g/L	#	#	Cu = 20.00	42 (Avoid using after fruit set)
5.	Copper hydroxide 77WP	NS	2.0 g/L	#	#	Cu = 20.00	42 (Avoid using after fruit set)
6.	Bordeaux Mixture	NS	Pre-sprouting 1.0 % Post-sprouting 0.5%	#	#	Cu = 20.00	42 (Avoid using after fruit set)
7.	Captan 50 WP, 75WP	NS	2.5 g/L, 1.67 g/L	3.00	3.00	3.00	30
8.	Chlorothalonil 75WP	NS	2.0 g / L	1.00	1.00	1.00	60
9.	Fosetyl Al 80WP	S	1.4-2 g/L	#	#	0.20	30
10.	Metalaxyl + Mancozeb 8%+64 WP	S+NS	2.5 g/L	2.00+ Mancozeb 2.00	2.00+ Mancozeb 2.00	2.00+ Mancozeb 2.00	66
11.	Cymoxanil + Mancozeb 8%+64 WP	S+NS	2 g/L	# + Mancozeb 2.00	0.10 + Mancozeb 2.00	0.05 + Mancozeb 2.00	66
II. Powdery mildew							
12.	Penconazole 10 EC	S	0.5 ml/L	0.20	0.20	0.20	50
13.	Triademefon 25 WP	S	0.5-1.0 g/L	2.00	2.00	2.00	45
14.	Hexaconazole 5 EC, 5SC	S	0.5 ml/L	0.10	0.10	0.10	38
15.	Myclobutanil 10 WP	S	0.4 g/L	1.00	1.00	1.00	30
16.	Dinocap 48 EC	NS	0.3 - 0.35 ml/L	#	#	0.05	50
17.	Sulfur 40 SC, 55.16 SC, 80 WP, 80 WDG, 85 WP	NS	3 ml/l, 3ml/l, 2.5 g/l, 1.87-2.5 g/l, 1.5-2 g/l	#	#	50.00	Avoid using after fruit set
18.	Potassium bi-carbonate	NS	5 to 10 g / L	--	--	--	--
19.	Azadirachtin (0.03%)	Neem based EC formulation	4 ml/L	--	--	--	2
III. Anthracnose							
2a.	Ziram 80 WP	NS	1.5-2 g/L	2.00	#	2.00	
3a.	Propineb 70 WP	NS	3 g/L	2.00	2.00	2.00	

Sl. No.	Pesticide recommended for major disease and pest	Nature of pesticide	Dose on formulation basis	MRLs (mg/kg)			Pre-harvest Interval in Days (PHI)
				EU	UK	Netherlands	
4a.	COC 50 WP, 50 WG	NS	2.5 g/L, 2.4g/L	#	#	Cu = 20.00	
5a.	Copper hydroxide 77 WP	NS	2.0 g/L	#	#	Cu = 20.00	
20.	Iprobenphos 48EC	NS	2.0 ml/L	--	--	--	50
21.	Carbendazim 50 WP, 46.27 SC	S	3 g/L, 1 ml/L	2.00	2.00	2.00	50
VI. Flea beetles							
22.	Carbaryl 50 WP	NS	2.0 g/L	3.00	5.00	3.00	42
23.	Imidacloprid 200 SL	S	0.3 ml/L	#	#	0.05	60
V. Thrips and Jassids							
24.	Thiamethoxam 25 WG	S	0.25 g/L	#	#	0.05	30
25.	Dimethoate 30 EC	S	1 ml/L	0.02	0.02	0.02	100 (Should not be used after blossom)
26.	Endosulfan 35 EC	NS	2ml/l	0.50	0.50	0.50	65 (Should not be used after 5 mm berry size)
19a.	Azadirachtin	Neem based EC formulation	0.3 %, 1% & 5% @ 7.5, 5 & 2 ml/L	--	--	--	2
VI. Mealy bugs							
27.	Chlorpyrifos 20 EC	NS	2.0 ml/L	0.50	0.50	0.50	Only permitted before bud break or as stem treatment
28.	Malathion 50 EC	NS	2.0 ml/L	0.50	0.50	0.50	40
29.	Phosalone 35 EC	NS	2.0 ml/L	1.00	1.00	1.00	40
30.	Methomyl 40 SP	NS	1.0 g/L	0.05	0.05	0.05	40
31.	Dichlorvos 76 WSC	NS	2.0 ml/L	0.10	0.10	0.10	15
19b.	Azadirachtin	Neem based EC formulations	0.3 %, 1% & 5% @ 7.5, 5 & 2 ml/L	--	--	--	2
VII. Caterpillars							
29a.	Phosalone 35 EC	NS	2.0 ml/L	1.00	1.00	1.00	40
27a.	Chlorpyrifos 20 EC	NS	2.0 ml/L	0.50	0.50	0.50	Only permitted before bud break or as stem treatment
30a.	Methomyl 40 SP	NS	1.0 g/L	0.05	0.05	0.05	40
VIII. Mites							
32.	Dicofol 18.5 EC	NS	1.0 ml/L	2.00	2.00	2.00	50

NS= Non systemic

S= Systemic

= No MRLs given as yet

Note:

- All the doses mentioned are for high volume sprayers, where normal spray volume is 1000 L/ha. Spray volume however can be changed as per efficiency of sprayers used.
- After fruitset, all fungicides containing Mancozeb or dithiocarbamates and Sulphur should be avoided.
- Dinocap should not be used when tender shoots are present in canopy.
- Recommended PHI will be valid only if maximum 2 sprays are applied per fruiting season at 7-15 days interval at recommended doses.

Annexure-8

LIST OF NOMINATED LABORATORIES (RECOGNISED BY APEDA OR ACCREDITED TO NABL/ISO-17025)

S. No	Name of the Laboratory	Status
1)	National Research Centre for Grapes P.B. No. 3, PO Manjiri Farm P.O. Solapur Road Pune - 412 307 (Maharashtra) Phone : 91-20-26914245, 26914246 Fax : 91-20-26914246 E-mail: nrcgrape@mah.nic.in	National Referral Laboratory for Grapes
2)	Insecticide Residue Testing Laboratory Krishibhavan, Shivajinagar, Pune - 411 005 Phone : 020-5534348, 25281186 Fax : 020-25537695, 26131064 E-mail : drabhay@satyam.net.in	Government laboratory recognised by APEDA
3)	Vimta Labs Ltd. 142, IDA, Cherlapally, Hyderabad - 500 051. Phone : 040-7124141 Fax : 040-7123657 E-mail : crm@vimta.com	Accredited to NABL/ISO-17025, recognised by APEDA
4)	Reliable Analytical Laboratory 221, Amar Gian , Opp. S.T. Workshop, L.B.S. Marg, Thane - 400 601. Phone : 022-2589490, 25899491 Fax : 022-25899492 E-mail : reliablelab@vsnl.net	Accredited to NABL/ISO-17025, recognised by APEDA
5)	Geo-Chem Lab Pvt. Ltd., Mumbai 26/27/28/34, Raja Industrial Estate, 1 st Floor, Purushottam Kheraj Marg, Mulund (West), Mumbai - 400 080. Phone : 022-5690611,5642021/22 Fax : 022-5670325 E.mail : neel@geochemgroup.com	Accredited to NABL/ISO-17025, recognized by APEDA

6)	Shriram Institute for Industrial Research Plot 14 & 15 Sadarmangla Industrial Area, White Field Road, Bangalore - 560 048 Phone : 080-8410189 Fax : 080-8410189 E-mail: srisrb@vsnl.net.in	Accredited to NABL/ISO-17025, recognised by APEDA
7)	Regional Agmark Laboratory, TPS - III, Plot No. 274, Senapati Bapat Road, Near Bombay Drug House, Mahim Mumbai - 400 016 Phone : 022 - 243 70448, Fax : 022 - 24379636 E-mail: dmilmh03@hub.nic.in	Government laboratory
8)	SGS India limited, 304 - 305, Ist Floor, Anna Salai, Teynampet, Chennai - 600 018 Phone : 044 - 24470184, 24473929, Fax : 044 - 24470317 E-mail : vakkalanka_meenakumari@sgs.com	Accredited to NABL/ISO-17025, recognised by APEDA

PROCEDURE FOR SAMPLING OF GRAPE FARM/PLOT

(TO BE FOLLOWED BY NOMINATED LABORATORIES/NRI)

A. Procedure for sampling table grapes for analysis of pesticide residues

1. Who will draw the sample ?

Individuals authorized by the nominated laboratories by APEDA (given in Annexure 8) will only draw the samples.

- Individuals authorized for sampling table grapes should have a letter of authorization from the recognized laboratories.
- Individuals authorized for sampling should have an identity card issued by the laboratory.

2. From which vineyard sample is to be collected ?

The samples will be drawn only from those vineyard plots, which are registered for export with the District Superintending Agriculture / Horticulture Officer of the respective State Govt. Before sampling, following documents pertaining to the registered vineyard will be verified by the authorized individual of the laboratory / department.

- Registration Certificate issued by the State Government.
- Field Pesticide Application Record maintained by the farmer / exporter (Annexure - 4).
- Declaration given by the farmer to the exporter (Annexure 5).
- Fourth Inspection Report of the Agriculture/Horticulture Officer [Annexure - 6(D)]. It is recommended that Annexure 6(A), 6(B) and (C) should also be seen.
- Sample slip signed by the farmer and exporter (Annexure - 10).

3. Locate the block / plot from where the sample is to be drawn

Information given in Annexure - 6(A), Annexure - 4 and Annexure - 10 is used to locate the block. It is also expected that the sketch of the block/ plot is available with the First Inspection Report [Annexure- 6(A)] of the Agriculture/Horticulture Officer. Block, thus, may be identified on the basis of name of the block/plot, direction, nearness to the landmarks such as road, well, pump house, shed, etc.

- Area of the block/plot from where the sample is to be drawn should not exceed 1 ha. In case, the area is above 1 ha, additional samples for every 1 ha are to be drawn.
- Area / block / section / plot selected for sampling should have the same variety, the date of pruning, expected date of harvest and schedule of pesticide

applications. In case, the above do not match, separate samples should be drawn from each variation block. Area covering the same variety, date of pruning and spray schedule, thus, should be considered as one section, which should not be larger than 1 ha for collecting one sample.

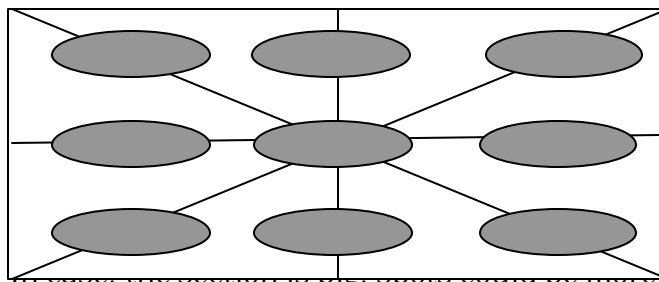
- Separate Annexure - 4, 5 6(A) - (D) and 10 should be obtained for each section /area/block/plot selected for sampling.
- Area can be determined on the basis of planting distance given below :

S. No.	Row to row distance (Feet)	Plant to plant distance (Feet)	Number of plants per acre	Number of plants per Ha
i.	8	5	1105	2762
ii.	8	6	916	2290
iii.	9	5	1005	2512
iv.	9	6	1105	2762
v.	10	5	884	2210
vi.	10	6	733	1832

4. Collection of Sample

Sample collected should be most representative of the section/block/plot area selected. To ensure the same,

- Smallest unit for sampling should be a full bunch, not part of a bunch.
- Size of the bunch selected for sampling should be closer to the export grade / size available in block. Sampling of undersize and oversize bunches to be avoided.
- Bunches hidden in the canopy, or showing infestation of insect pest (thrips, mealy bugs) or diseases (powdery mildew) or any disorder (pink berries, cracking, abnormal stains or scorching on berries) is to be avoided for sampling.
- Bunches, which are compact, and having undersize (Less than 14 mm) berries is to be avoided for sampling.
- Sample bunches should be collected from all over the selected section.
- The selected **section/area/block/plot** may be divided into a number of **spots**, as shown in the diagram below and about 2 vines may be selected from each spot for sampling.

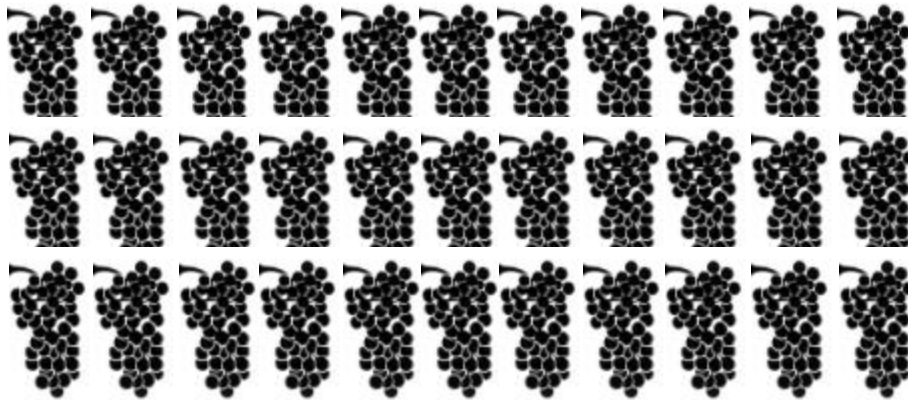


- In case, the section is big, spots could be more than 9 but not less in any case.
- Selected spots may have about 20 to 30 vines. From these vines, one or two vines may be selected randomly for sampling. However, selected vines should

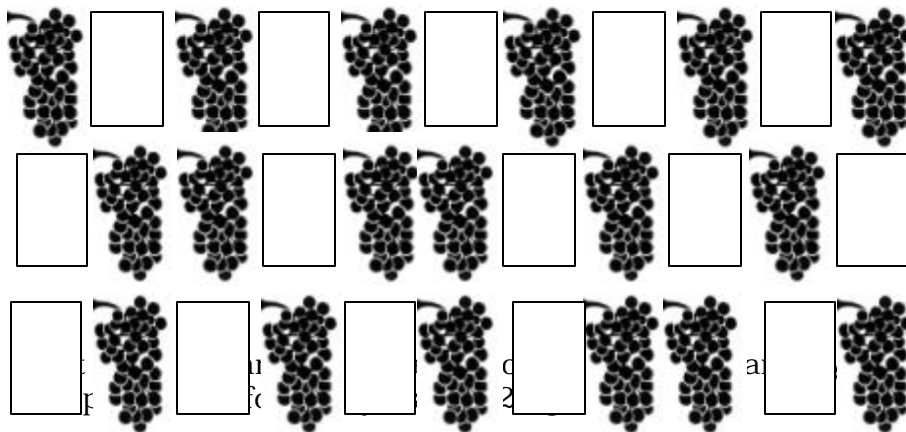
not be abnormal in terms of small canopy, less number of bunches, infected with insect pests, physically damaged, etc.

- From each selected vine, one or two bunches depending upon the size should be harvested for sampling. The bunch should be cut above the knot on the peduncle with the help of a secature. Total weight of the sample collected at each spot should be about 1.5 kg and will be called the **Primary Sample**.
- All primary samples from one section will be mixed and will be called the **Bulk Sample**. Size of the bulk sample should be at least 12 kg from about 1 hectare area.
- **Laboratory Sample** will be drawn from the bulk sample by randomly selecting the bunches as shown below :

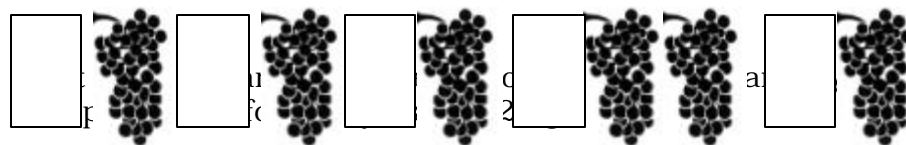
4.1 Bulk Sample (12 kg)



4.2 Randomly select the bunches for Laboratory Sample (5 kg) by following the Reduction Principle as shown below :



4.3 Randomly select the bunches for Laboratory Sample (5 kg) by following the Reduction Principle as shown below :

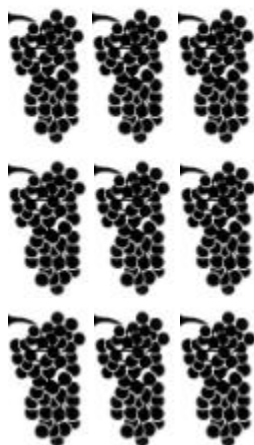


no boxes, 3 kg

- The counter sample to be stored should be immediately kept in the cold storage at 0 - 0.05°C with 90-95% relative humidity for a period of 60 days from the date of issue of test report of the sample.
- Data logger should be installed in a cold room for recording temperature and humidity from time to time.
- It is the responsibility of the laboratory to see that the seal of the storage sample is kept intact till such time the sample is required to be stored, in case of dispute.

3 kg to be utilized for analysis

2 kg to be stored in cold storage



5. Packing and transport of sample

Two samples should be packed separately in clean and virgin corrugated cardboard boxes designed for transport of grapes. The boxes should be sealed with brown packing tape. Sample slip (Annexure - 10) should be kept in a polyethylene cover and the polyethylene cover should be inserted in the box. The boxes should be labeled from outside with the following information :

- Grape Sample For Residue Analysis
- Sample slip number
- Date of sampling
- Name of authorized representative of the laboratory

Sealed Sample should be delivered to the laboratory within 24 hrs of the sampling.

6. List of Material required for sampling

- Secature or harvesting scissor
- Paper bags or polythene bags
- Paper, markers, pencils

- Hand glove
- Corrugated cardboard boxes of 5 kg capacity
- Labels
- Thread
- Cello tape, packing tape
- Seal
- Weighing balance
- Rings for measuring berry diameter.

B. Procedure for Sampling Soil for Monitoring Banned Organochlorines

In case of vineyards, where fruits containing banned organochlorines were found in the last season, soil samples shall be collected by following the standard procedure and analysed for these chemicals.

C. Procedure for Sampling Irrigation Water for Monitoring Banned Organochlorines

In case of vineyards, where fruits containing banned organochlorines were found in the last season, water samples shall be collected by following the standard procedure and analysed for these chemicals.

SAMPLE SLIP FOR GRAPES
(TO BE GIVEN BY FARMERS/OPERATORS)

FIRST SAMPLE/RE-SAMPLE

Sample Slip No. _____

(see para 6.12; strike out whichever is not applicable)

1)	Name & address of the farmer	
2)	Name & address of the exporter	
3)	Farm/Plot Registration No.	
4)	Address/location of the sampled farm/ plot	
5)	Crop and variety	
6)	Total area of the farm/plot	
7)	Likely production (in Kgs.) as per Annexure 6 (D)	
8)	Crop condition pertaining to pests and diseases	
9)	Weight of total sample drawn (per Ha or less)	
10)	Weight of the laboratory sample (including storage sample)	
11)	Date of drawl of sample in the field	
12)	Whether soil or water has been tested (please attach copy of report)	
13)	Pack-house Registration No. and its validity	

Copy of Annexure - 4 and Annexure - 5 are enclosed.

Date : _____
Place : _____

Signature of Exporter
(Name of Exporter)

Signature of Farmer
(Name of Farmer)

CERTIFICATE

This is to certify that

1. I have drawn this sample personally from the above farm by adopting the procedure given in Annexure -9 of the Regulation of export of fresh grapes to the European Union through control of pesticide residues.
2. This sample is taken from the above farm/plot, which is intended to be exported by _____ (name of the farmer/exporter).
3. I have also obtained a copy of the document as per Annexure-4, Annexure - 5 and Annexure - 6(D) from the farmer/operator.
4. That, as on date, APEDA recognition of this laboratory is valid.

Date : _____
Place : _____

Signature : _____
Name of authorized : _____
representative of
Nominated Laboratory
Official address : _____

LIST OF PESTICIDES ANALYSED

MRL Value in mg/kg

S. No.	Chemicals	EU	UK	Netherlands
[A]	Organochlorines			
1.	Aldrine	0.01	0.01	0.01
2.	Chlordane (cis & trans)	0.01	0.01	0.02
3.	Chlorthalonil	1.00	1.00	1.00
4.	DDT (all isomers)	0.05	0.05	0.05
5.	Dicofol	2.00	2.00	2.00
6.	Dichlofluanid	10.00	15.00	10.00
7.	Dieldrin	0.01	0.01	0.01
8.	Endosulphan (all isomers)	0.50	0.50	0.50
9.	Endrin	0.01	0.01	0.01
10.	HCH (alpha & beta)	0.01	0.01	0.01
11.	Heptachlor	0.01	0.01	0.01
12.	Lindane	0.01	0.01	0.01
[B]	Organophosphorus			
13.	Acephate	0.02	0.02	0.02
14.	Azinphos methyl	1.00	2.00	1.00
15.	4-bromo-2-chlorophenol	0.01	0.01	0.01
16.	Chlorfenvinphos	0.05	0.05	0.05
17.	Chlorpyrifos	0.50	0.50	0.50
18.	Chlorpyrifos methyl	0.20	0.20	0.20
19.	Diazinon	0.02	0.02	0.02
20.	Dichlorvos	0.10	0.10	0.10
21.	Dimethoate (including Omethoate)	0.02	0.02	0.02
22.	Ethion	0.50	0.50	0.50
23.	Etrimphos	#	#	0.05
24.	Fenchlorphos	0.01	0.01	0.01
25.	Fenitrothion	0.50	0.50	0.50
26.	Fosetyl- Al	#	#	0.20
27.	Methamidiphos	0.01	0.01	0.01
28.	Malathion	0.50	0.50	0.50
29.	Mevinphos	0.10	0.10	0.10
30.	Monocrotophos	BAN	#	0.05
31.	Omethoate (refer Dimethoate)			
32.	Oxydemeton methyl	0.02	0.02	0.02

S. No.	Chemicals	EU	UK	Netherlands
33.	Profenophos	0.05	0.05	0.05
34.	Parathion methyl	0.02	0.02	0.20
35.	Parathion ethyl	0.05	0.05	0.05
36.	Phosalone	1.00	1.00	1.00
37.	Phosmet	#	#	0.05
38.	Phosphamidon	0.15	#	0.20
39.	Quinalphos	0.05	0.05	0.05
40.	Triazophos	0.02	0.02	0.02
41.	Triadimephon	2.00	2.00	2.00
[C]	Synthetic Pyrethroids			
42.	Cyfluthrin	0.30	0.30	0.30
43.	Cypermethrin	0.50	0.50	0.50
44.	Deltamethrin	0.10	0.10	0.10
45.	Fenvalerate & Esfenvalerate (sum of RR & SS isomers)	0.10	0.02	0.02
46.	Fenvalerate & Esfenvalerate (sum of RS & SR isomers)	0.02	0.02	0.02
47.	Lambda-cyhalothrin	0.20	0.20	0.20
48.	Permethrin	0.05	0.05	0.05
[D]	Triazines			
49.	Atrazine	0.10	0.10	0.10
[E]	Acylamino acid Fungicides			
50.	Benalaxyl	0.20	0.20	0.20
51.	Metalaxyl	2.00	2.00	2.00
[F]	Carbamates			
52.	Carbaryl	3.00	5.00	3.00
53.	Carbofuran	0.10	0.10	0.10
54.	Carbosulfan	0.05	0.05	0.05
55.	Methomyl	0.05	0.05	0.05
56.	Thiodicarb (see methomyl)			
[G]	Pyrimidines			
57.	Fenarimol	0.30	0.30	0.30
[H]	Conazoles			
58.	Bitertanol	0.05	0.05	0.05
59.	Hexaconazole	0.10	0.10	0.10
60.	Myclobutanil	1.00	1.00	1.00

S. No.	Chemicals	EU	UK	Netherlands
61.	Penconazole	0.20	0.20	0.20
62.	Propiconazole	0.50	0.50	0.50
[I]	Imidazoles			
63.	Imazalil	0.02	0.02	0.02
[J]	Dicarboximides			
64.	Captafol	0.02	0.02	0.02
65.	Captan (including Folpet)	3.00	3.00	3.00
66.	Iprodione	10.0	10.0	10.0
67.	Procymidone	5.00	5.00	5.00
68.	Vinclozolin	5.00	5.00	5.00
[K]	Benzimidazole			
69.	Carbendazim (including Benomyl, Thiophenate methyl)	2.00	2.00	2.00
[L]	Dithiocarbamates			
70.	Carbon di-sulfide (Mancozeb, Maneb, Propineb and Ziram collectively estimated as CS ₂)	2.00	2.00	2.00
71.	Ethylene thio urea	#	#	0.02
[M]	Nicotinoids			
72.	Imidacloprid	#	#	0.05
73.	Thiamethoxam	#	#	0.05
[N]	Dinitrophenol			
74.	Dinocap	#	#	0.05
[O]	Aliphatic Nitrogen Fungicides			
75.	Cymoxanil	#	0.10	0.05
[P]	Others			
76.	Copper	#	#	20.00
77.	Sulphur	#	#	50.00

: No MRLs given as yet, watch for amendments to the MRL values

CERTIFICATE OF RESIDUE ANALYSIS
(TO BE ISSUED BY THE NOMINATED LABORATORY)

FIRST SAMPLE/RE-SAMPLE (see para 6.12)

- 1) Name and address of the farmer
- 2) Name and address of the exporter
- 3) Farm/Plot Registration No.
- 4) Location of the farm/plot
- 5) Total likely production of the farm (in Kg.)
- 6) Name of crop and variety
- 7) Sample details
 - (a) Place and date of sample drawn
 - (b) Quantity of sample
 - (c) Packing
 - (d) Sample code No.
- 8) Name of the representative of Nominated Laboratory who has drawn the sample
- 9) Date of drawl of sample
- 10) Date of receipt of sample in laboratory
- 11) Date of completion of analysis
- 12) Packhouse Registration Number & its validity

Sl. No.	Name of the pesticides	Residue content (mg/kg)	Limit of Determination (LOD) (mg/kg)	Method of analysis	MRLs (mg/kg)			Recovery (%)
					EU	UK	NL	
1.	2.	3.	4.	5.	6.	7.	8.	9.

CERTIFICATE

- 1) This is to certify that the sample was drawn by our authorized representative from farm having Registration No. _____ and has been analysed by us. The sample was tested for the residue of the pesticides mentioned above and the residue content in the sample is as given in Column 3 of the table given above.
- 2) The Apeda recognition of this laboratory is valid as on date.

Result : 1. Sample conforms/fails (strike out whichever is not applicable)
2. Sample conforms to MRL requirements of EU/UK/Netherlands

Date:
Place

Signature of authorized signatory of
Nominated Laboratory alongwith seal

Endorsement by PSC issuing Authority

This is to certify that PSC has been issued for :

1. ___ MTs, out of ___ MTs quantity and the balance left is ___ MTs.
2. ___ MTs, out of ___ MTs quantity and the balance left is ___ MTs.
3. ___ MTs, out of ___ MTs quantity and the balance left is ___ MTs.

Date :
Place :

Signature of Authorised Signatory of
PSC issuing Authority along with seal

Annexure-13

WEEKLY STATEMENT OF SAMPLES TESTED BY NOMINATED LABORATORIES
(TO BE SUBMITTED BY NOMINATED LABORATORIES TO NRL AND APEDA)

Date :
Period of testing :

Product	Name & address of the exporter	Date of sampling	Farm/Plot Registration Number	Batch No. of the samples	Dates of commencement and completion of testing	Results (conformed or not conformed) as per requirements	Method of testing	Remarks, in case of non-conformance
1.	2.	3.	4.	5.	6.	7.	8.	9.
Grapes								
*Soil								
*Water								

* Testing to be done from areas identified by the NRL.

Place:

Signature
Name of authorized signatory
Name of Laboratory

Annexure-14

SPECIMEN FORMAT OF DECLARATION

(TO BE GIVEN BY THE EXPORTER ON THEIR LETTER HEAD TO
THE PSC ISSUING AUTHORITY)

- 1) I, _____, resident of _____, have/operate from packhouse having APEDA Packhouse Recognition No. _____ dated _____ valid up to _____ and which is located at the following address :

- 2) I/We, hereby, certify that _____ MTs of grapes have been procured for export from farm(s)/plot(s) bearing farm/plot registration numbers as given below after drawl of samples as per the procedure prescribed in Annexure -9 of the Regulation of export of fresh grapes through control of pesticide residues.
- a) _____
b) _____
c) _____ etc.
- 3) The laboratory analysis reports bearing No. _____ dated _____ pertains to the grape quantities referred to in para (2) above.
- 4) I propose to effect export of the grapes referred to above to _____ (destination) and these have been processed and packed under my supervision in the packhouse referred to in para (1) above.
- 5) I further certify that the grapes referred to above are contained in _____ number of boxes/cartons and that the laboratory analysis report establishes that these grapes do not contain pesticide residues exceeding the MRLs with respect to the destination, referred to in para (4) above, stated in Annexure-11 of the Regulation of export of fresh grapes through control of pesticide residues.
- 6) I further certify that, as on this date, the NRL has not issued any Internal Alert Information in respect of the samples drawn by them from the pack house (referred to in para - 1 above) and from the farms (referred to in para - 2 above).

Date :
Place:

Signature of Authorized Signatory
of Exporter/Farmer

Name and address

Annexure-15

WEEKLY REPORT BY PHYTO-SANITARY CERTIFICATE ISSUING AUTHORITY
(TO BE SUBMITTED TO THE STATE DEPARTMENT OF HORTICULTURE/AGRICULTURE)

Sl. No.	Name of farmer/exporter	Farm/plot Registration No.	Location of farm	Crop variety	Quantity produced in the farm (in Kg.)	Pesticides sprayed	Name & address of sample drawing laboratory	Residue analysis report No. & date	Packhouse Registration Number and its validity	PSC No. & date corresponding to residue analysis report	Reason, in case PSC is denied
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.

Date :
Place :

Signature of the PSC issuing official :
Name and address :

Annexure - 16

List of PSC issuing authorities authorized to issue PSC for Export of Table Grapes to the European Union

(Extract from Notification No. 8-97/91-PPI Dated 26-11-1993
of the Department of Agriculture & Cooperation Govt. of India)

Andhra Pradesh

S.No.	District	Authority & Office Address	Code No.	Phone, Fax & E-mail
1.	Hyderabad	Officer-in-charge, National Bureau of Plant Genetic Resources, Regional Station, Rajendra Nagar, Hyderabad - 500 030.	`C'(NBPGR) 4(2)	P : 040-24014072 F : 040-24015478 nbpgrhyd@ap.nic.in
2.	Hyderabad	Director, SAMETI (State Agriculture Management and Extension Training Institute), Old Malakpet, Hyderabad - 500 036.	`S'(A)1	P : 040-24558069 F : 040-24558072
3.	Hyderabad	Assistant Director of Agriculture (Ent), SAMETI (State Agriculture Management and Extension Training Institute), Old Malakpet, Hyderabad - 500036.	`S'(AP) 2	P : 040-24558069 F : 040-24558072
4.	Hyderabad	Joint Director of Horticulture/ Dy. Director of Horticulture (Fruits), O/o Commissioner of Horticulture, Public Gardens, Nampally, Hyderabad - 500004.	`S' (AP) 3	P : 040-23234091 F : 040-23240181 dirhort@yahoo.com
5.	Hyderabad	Asst. Director of Horticulture (Vegetables), O/o Commissioner of Horticulture, Public Gardens, Nampally, Hyderabad - 500 004.	`S' (AP) 4	P : 040-23234091 F : 040-23240181 dirhort@yahoo.com
6.	Hyderabad	Deputy Director (PP), NPPTI, Plant Quarantine Station, Air Cargo Complex, Begumpet, Hyderabad.	`PPQS'(1)19	P : 040-24015328 27760956 F : 040-24015346 nppti@hub.nic.in

Karnataka

S.No.	District	Authority & Office Address	Code No.	Phone, Fax & E-mail
1.	Bangalore	Deputy Director/ Plant Protection Officer, Central Institute for Integrated Pest Management, Jaivik Bhawan, Kannamangala Post, Bangalore - 560066	`C'(PPQS)1 (18)	P/F : 080-28455084
2.	Bangalore	Deputy Director of Agriculture (Plant Pathology) Commissionerate of Agriculture, Seshadri Road, Bangalore - 560001	`S'(KAR)2	P : 080-22215093, 22215096 22210094 Ext - 142 F : 080-22212688 agripfs@kar.nic.in
3.	Bangalore	Directorate of Horticulture, Government of Karnataka, Lalbagh, Bangalore - 560004	`S'(KAR)3	P : 080-26571925 F : 080-26570933 horticulturedirector@vsnl.net

Maharashtra

Sr. No.	District	Authority & Office Address	Code No.	Phone & Fax No
1.	Pune	Deputy Director of Agriculture , Commissionerate of Agriculture Krushi Bhavan, Shivajinagar, Pune-411005	'S' (MAH) 5	P : 9520-25534349 F : 9520-25538337 agribiz@agricom.mah.nic.in
2.	Pune	Agriculture Officer , Commissionerate of Agriculture Krushi Bhavan, Shivajinagar, Pune-411005	'S' (MAH) 1	P : 9520-25534349 F : 9520-25538337 agribiz@agricom.mah.nic.in
3.	Nasik	Deputy Director of Agriculture, Office of the District Superintending Agriculture Officer, Behind old Civil Hospital, Shalimar, M.G. Road, Nasik-422001	'S' (MAH) 6	P : 95253-2502135 F : 95253-2595136 distup_nsk@sancharnet.in
4.	Nasik	Agriculture Officer, Office of the District Superintending Agriculture Officer, Behind old Civil Hospital, Shalimar, M.G. Road, Nasik-422001	'S' (MAH)2	P : 95253-2502135 F : 95253-2595136 distup_nsk@sancharnet.in

5.	Solapur	Deputy Director of Agriculture, Office of the District Superintending Agriculture Officer, Central Administrative Building, Near Rangbhavan, Solapur-413001	'S' (MAH) 7	P : 95217-2726013 F : 95217-2626845 spr_dagrisol@sancharnet.in
6.	Solapur	Agriculture Officer, Office of the District Superintending Agriculture Officer, Central Administrative Building, Near Rangbhavan, Solapur-413001	'S' (MAH)3	P : 95217-2726013 F : 95217-2626845 spr_dagrisol@sancharnet.in
7.	Sangli	Deputy Director of Agriculture, Office of the District Superintending Agriculture Officer, Taluka Seed Farm, Kupwad Sangli Miraj Road, Vishrambaug, Sangli - 416416	'S'(MAH)8	P : 95233-2305412 F : 95233-2325787 san_sonavane@sancharnet.in
8.	Sangli	Agriculture Officer, Office of the District superintending Agriculture Officer, Taluka Seed Farm, Kupwad Sangli-Miraj Road, Vishrambaug, Sangli - 416416	'S' (MAH)4	P : 95233-2305412 F : 95233-2325787 san_sonavane@sancharnet.in

Annexure-17

FORTNIGHTLY CONSOLIDATED STATEMENT OF TEST REPORTS
(TO BE SUBMITTED BY NATIONAL REFERRAL LABORATORY TO
RESPECTIVE STATE GOVERNMENTS AND APEDA)

Produce : Fresh Grapes

- 1) Report period :
- 2) District and State :
- 3) Taluka/Mandal :
- 4) Block/Village :
- 5) Sampling method :
- 6) Batch Numbers of samples tested :

Sl. No	Name of pesticides	Residue levels found (mg/kg)	MRLs (mg/kg)	Method of testing	Compliances	Non-compliances	Remarks, if any
1.	2.	3.	4.	5.	6.	7.	8.

Place:
Date :

Signature of the Authorised
Signatory of N R L

INTERNAL ALERT INFORMATION

(TO BE ISSUED BY NATIONAL REFERRAL LABORATORY)

Phone: 020-6914245; Fax: 020-6914246; E-mail: nrcgrape@mah.nic.in

Alert Information No.....

Original

Sub: Detection of ____ pesticides beyond MRLs Page: No__ of __Pages

1. Name of the commodity and variety :
2. Farm/Plot Registration No. :
3. Code Number of the produce, if any :
4. Date of harvest :
5. Date of sampling :
6. Place of sampling : Farm
 Pack-house
7. Period of analysis : to
8. Findings of the analysis

9. Recommendations by National Referral Laboratory

Date :
Place :

Referral

Signature of the Authorized
Signatory of the National

Laboratory along with seal

Copies to :

1. Concerned Agriculture/Horticulture Officer
2. State Governments
3. All PSC issuing authorities
4. APEDA, New Delhi
5. All nominated laboratories
6. Growers' Federation
7. Farmers' Association
8. Exporters' Association

EXTRACT FROM APEDA ACT

REGISTERED No. D-(D)-72

The Gazette of India
EXTRAORDINARY
PART II - Section 1
MINISTRY OF LAW AND JUSTICE
(Legislative Department)
New Delhi, the 9th January, 1986/Pausa 19, 1907 (Saka)

The following Act of Parliament received the assent of the President on the 8th January, 1986, and is hereby published for general information :

THE AGRICULTURAL AND PROCESSED FOOD PRODUCTS EXPORT DEVELOPMENT AUTHORITY ACT, 1985

No. 2 of 1986

[8th January, 1986]

An Act to provide for the establishment of an Authority for the development and promotion of exports of certain agriculture and processed food products and for matters connected therewith.

CHAPTER - V

Power to prohibit or control imports and exports of Scheduled products

CONTROL BY THE CENTRAL GOVERNMENT

19 (1) The Central Government may, by order published in the Official Gazette, make provision for prohibiting, restricting or otherwise controlling the import or export of the Scheduled products, either generally or in specified classes of cases.

(2) All Scheduled products to which any order under sub-section (1) applies, shall be deemed to be goods of which the export has been prohibited under section 11 of the Customs Act, 1962, and all the provisions of that Act shall have effect accordingly.

(3) If any person contravenes any order made under sub-section (1), he shall, without prejudice to any confiscation or penalty to which he may be liable under the provisions of the Customs Act, 1962, as applied by sub-section (2), be punishable with imprisonment for a term which may extend to one year, or with fine, or with both.
